

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[SI-61006-F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350μH MIN.

INS. LOSS

100KHz TO 125MHz -1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz -18 dB
40MHz-100MHz -12+20LOG(f/80MHz) dB

CROSS TALK:

Ch1-Ch2,Ch1-Ch3,Ch1-Ch4,Ch2-Ch3,Ch2-Ch4,Ch3-Ch4

1MHz - 30MHz -35 dB MIN
30MHz - 80MHz -24 dB MIN
80Hz - 100MHz -25 dB MIN

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

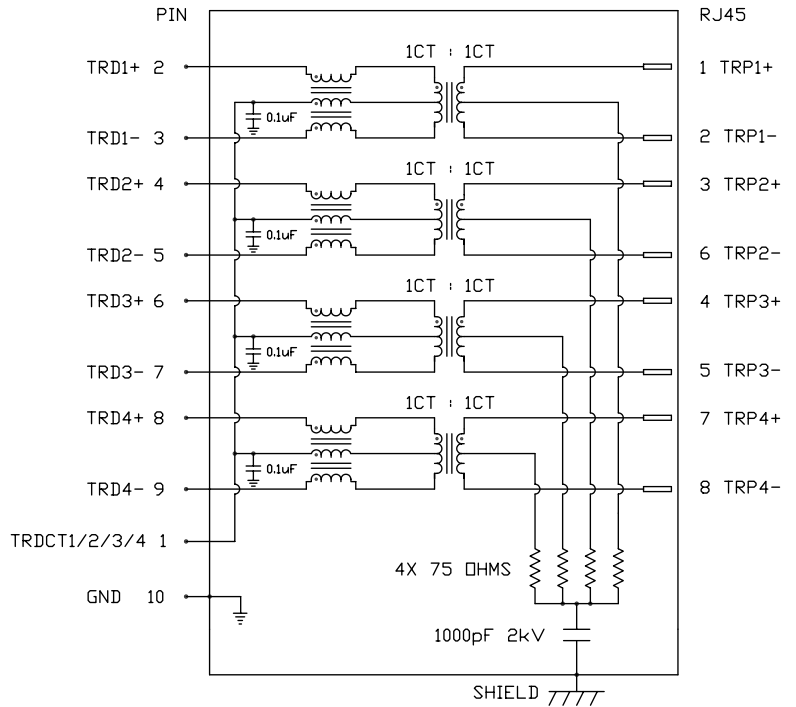
CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPDT (Isolation Voltage): 1500 Vrms or 2250VDC

OPERATING TEMPERATURE RANGE: -40 TO +85°C

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	REV.	PAGE
CHUNG	04-11-06	Gigabit MagJack®	SI-61006-F	TOL. IN INCH	UNIT : INCH [mm]	PB	2
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
DE	04-11-06		SI61006FPB.DWG	.XX			
				.XXX			

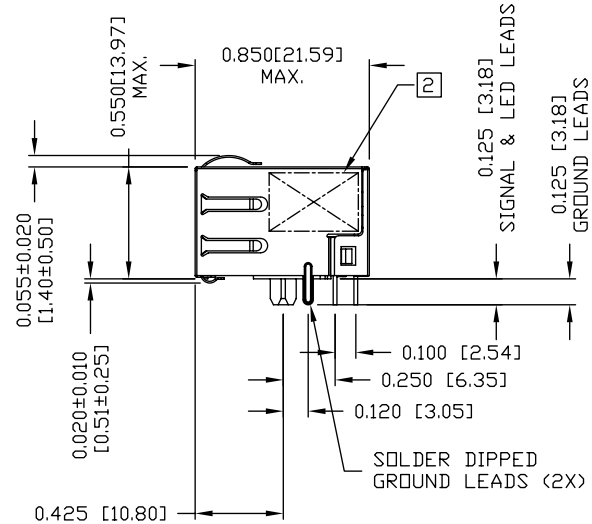
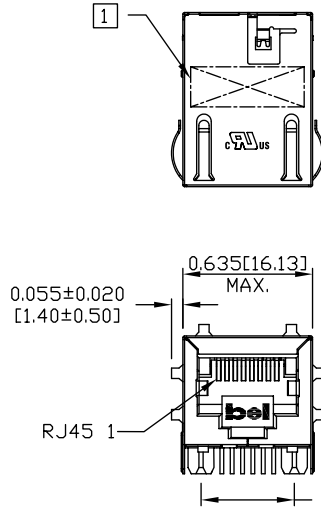


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NOTES:

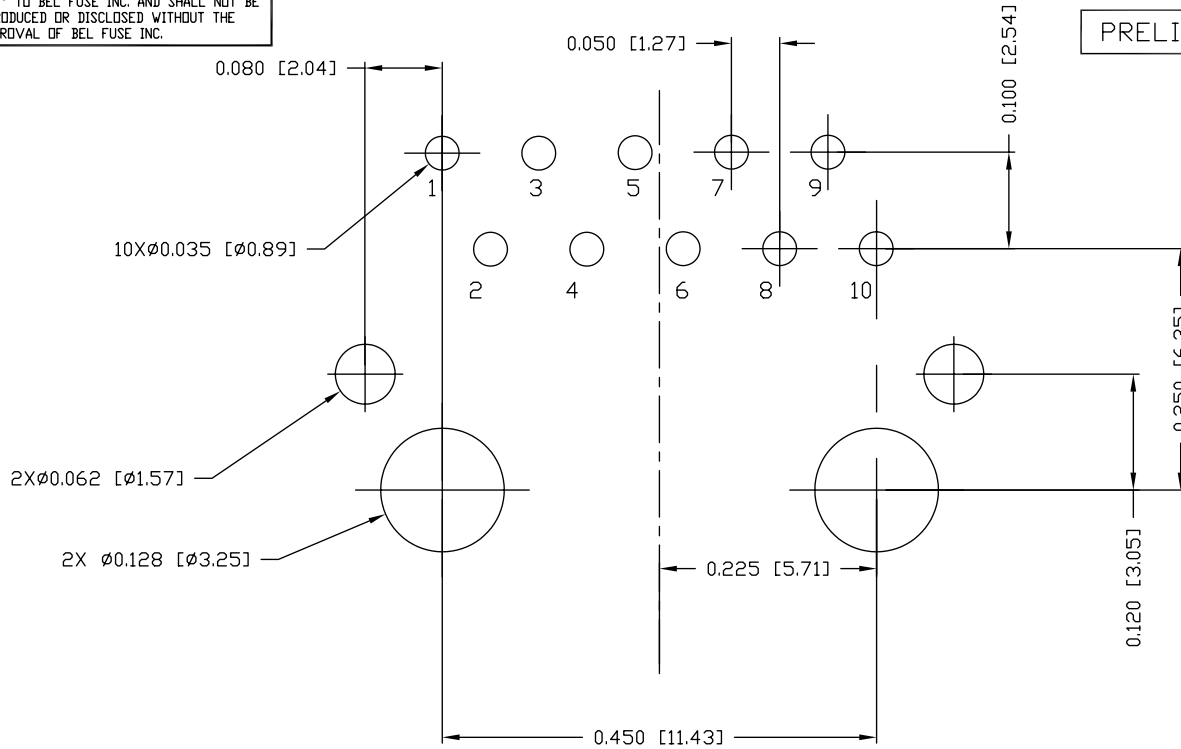
- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- ① MARK PART WITH MFG PART NUMBER(SI-61006-F), DATE CODE.
- ② MARK PART WITH MFG LOGO, MFG NAME.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- cus** UL RECOGNIZED - FILE #E132408.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	REV. : PB
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F	.X	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.010	⊕	PAGE : 3

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PRELIMINARY



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CAREFREE PC PLANT
BILL/KEUNG	04-11-06		SI-61006-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
WEIGH	04-11-06		SI61006FPB.DWG	.XX		.XXX		

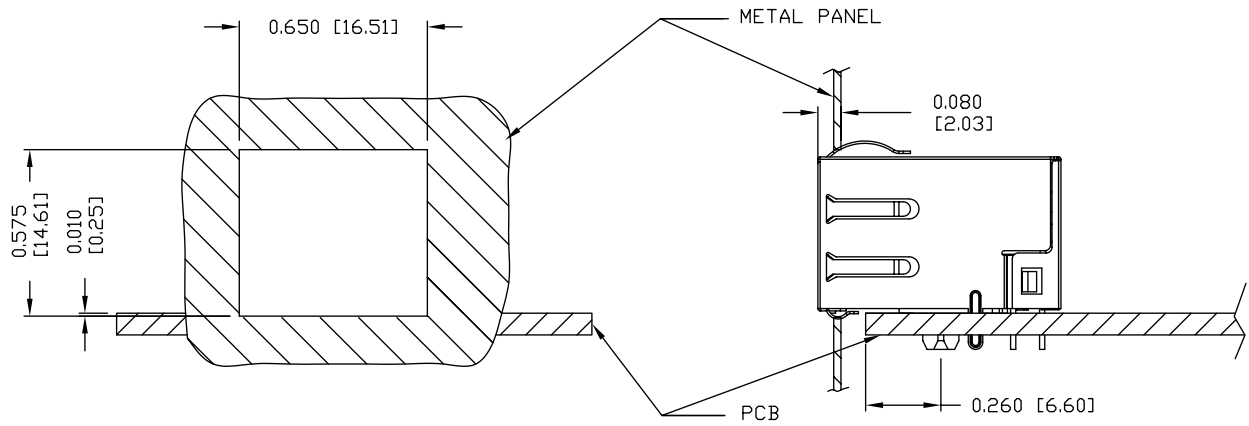


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PRELIMINARY



SUGGESTED PANEL OPENING



NOTES:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-Q7 (TOP)
0200-9999-Q8 (BOTTOM)

PACKING QUANTITY : 77 PCS FINISHED GOODS PER TRAY
10 TRAYS (770 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F	.X	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.004	⊕	PAGE : 5

